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1 a first communicating passageway connecting said
2 gas inlet to said gas valve; and

3 a second communicating passageway connecting said
4 gas valve to said outlet nozzle;

5 wherein said second passageway is axially offset
6 from said first passageway and is substantially conical
7 in shape, and wherein said second passageway includes
8 an inlet and an outlet and outwardly tapers from said
9 inlet to said outlet at an angle of taper of between 1
10 and 15°.

11
12 *Sub 1* 11. An apparatus according to any preceding claim,
13 further comprising a trigger means;

14 whereby said trigger means is adapted to operate
15 both of said control valve and said gas valve.
16

17 *Sub 1* 12. An apparatus according to Claim 11, wherein said
18 control valve is a liquid control needle valve.
19

20 13. An apparatus according to Claim 12, wherein said
21 gas valve is an axially-sliding piston valve.
22

23 14. An apparatus according to Claim 13, wherein said
24 outlet nozzle is controlled by said liquid control
25 needle valve.
26

27 15. An apparatus according to either Claim 13 or Claim
28 14, wherein said piston valve produces an annular air
29 jet in said second passageway.
30

31 *Sub 1* 16. An apparatus according to any of Claims 13 to 15,
32 further comprising an air control valve stem which is
33 connected to said piston valve and operated by said
34 trigger means.
35

36 17. An apparatus according to any of Claims 13 to 16,

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